

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICE

**INFORMATION DISCLOSURE  
STATEMENT**

Docket Number:  
**85940/15**

Application Number  
**08/928,893**

Filing Date  
**September 12, 1997**

Examiner  
**D. Naff**

Art Unit  
**1808**

Invention Title  
**PROCESS FOR THE SIMULTANEOUS  
PRODUCTION OF XYLITOL AND ETHANOL**

Inventor(s)  
**Heikkila et al.**

Address to:  
Assistant Commissioner for Patents  
Washington D.C. 20231

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Assistant Commissioner for Patents, Washington, D.C. 20231 on

Date: **7-8-99**

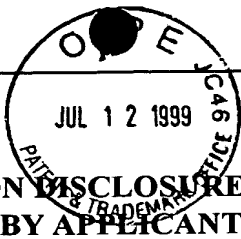
Signature: *Donna M. Praiss*  
Donna M. Praiss (Reg. No. 34,232)

1. In accordance with the duty of disclosure under 37 C.F.R. § 1.56 and in conformance with the procedures of 37 C.F.R. §§ 1.97 and 1.98 and M.P.E.P. § 609, attorneys for Applicants hereby bring the attached references to the attention of the Examiner. These references are listed on the attached modified PTO Form No. 1449. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.
2. No fee is believed to be required upon submission of this information disclosure statement because a first Official Action in this continuation application has not yet been received. However, should it be determined that a fee is required, the Commissioner is hereby authorized to charge payment of the fee to the deposit account of **Kenyon & Kenyon**, deposit account number **11-0600**. A duplicate copy of this communication is enclosed for charging purposes.
3. A copy of each patent, publication or other information listed on the modified PTO form 1449 is enclosed.

Dated: **7-8-99**

By: *Donna M. Praiss*  
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STATEMENT BY APPLICANT**

ATTY. DOCKET NO.  
**85940/15**

SERIAL NO.  
**08/928,893**

APPLICANT  
**Heikkila et al.**

FILING DATE  
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GROUP  
**1808**

**U. S. PATENT DOCUMENTS**

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

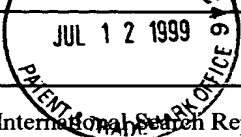
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**FOREIGN PATENT DOCUMENTS**

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	WO-A1-88/05467	July 28, 1988	PCT				

**OTHER DOCUMENTS**

EXAMINER INITIAL	AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
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	Duolite C 464, Weak Acid Cation Exchange Resin, February 1981, 3 pages.
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	Morrison, R. and Boyd, R., Organic Chemistry, 5th ed., pp. 833 and 839.
	Allenza, P., Scherl, D., and Detroy, R., Hydrolysis of Xylan by an Immobilized Xylanase from <i>Aureobasidium pullulans</i> , Biotechnology and Bioengineering Symp. No. 17 (1986) pp. 425-433.
	Jenq, C.Y., Wang, S.S. and Davidson, B., Ultrafiltration of Raw Sewage Using an Immobilized Enzyme Membrane, Enzyme Microb. Technol., April 1980, Vol. 2, pp. 145-147.
	Dekker, Robert F.H., Bioconversion of Hemicellulose: Aspects of Hemi-cellulase Production by <i>Trichoderma reesei</i> QM 9414 and Enzyme Saccharification of Hemicellulose, Abstract 177464d, Chemical Abstracts, Vol. 98, 1983.
	Weckstrom, L. and Leisola, M., Enzymatic Hydrolysis of Hemicellulose From Bisulfite Waste, Proc. Int. Ferment. Symp., 1981, Vol. 2, pp. 21-26.
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	International Preliminary Examination Report for PCT/FI91/00011 and Official Action for FI 900220.

EXAMINER INITIAL	 AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.	
	International Search Report for PCT/FI90/00015.	
	Hyrkas et al., Heran Laktoosin Hydrolyysi Immobilisoidulla $\beta$ -Galaktosidaasilla, 1974, pp. 38-47 and English language summary and translation of abstract.	
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	Amaral-Collaco, et al., Utilization of the Hemicellulosic Fraction of Agro Industrial Residues by Yeasts, Abstract 34371t, Fermentations Vol. 112, 1990.	
	Onishi et al., The Production of Xylitol, L-Arabinitol and Ribitol by Yeasts, Agr. Biol. Chem., Vol. 30, No. 11, 1996, pp. 1139 and 1144.	
	Weckstrom, L. and Leisola, M., Enzymatic Hydrolysis of Hemicellulose From Bisulfite Waste, Abstract 96:124760z, Wood Products, Vol. 96, 1982.	
EXAMINER	DATE CONSIDERED	
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		

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